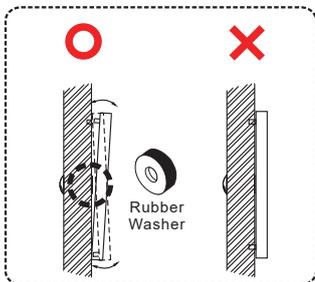


Electromagnetic Lock Installation Instruction (Mortise Series)

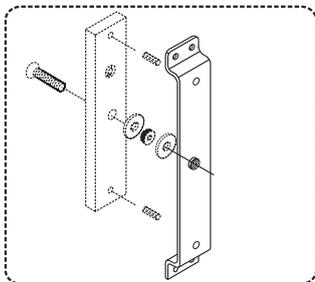
Specifications

Model	Holding Force	Current Draw	Optional Bracket	Monitor Output	Remark
10003M	300 lbs (136Kg)	300mA/12 VDC 250mA/24 VDC		10003M-R	Waterproof
10000	600 lbs (272Kg)	500mA/12 VDC 250mA/24 VDC	AMB-300	10000R	Indoor
10000ST	600 lbs (272Kg)	500mA/12 VDC 250mA/24 VDC	AMB-300	10000STR	Waterproof
10008ST	800 lbs (363 Kg)	500mA/12 VDC 250mA/24 VDC	AMB-300	10008STM	Waterproof

Installation Diagram

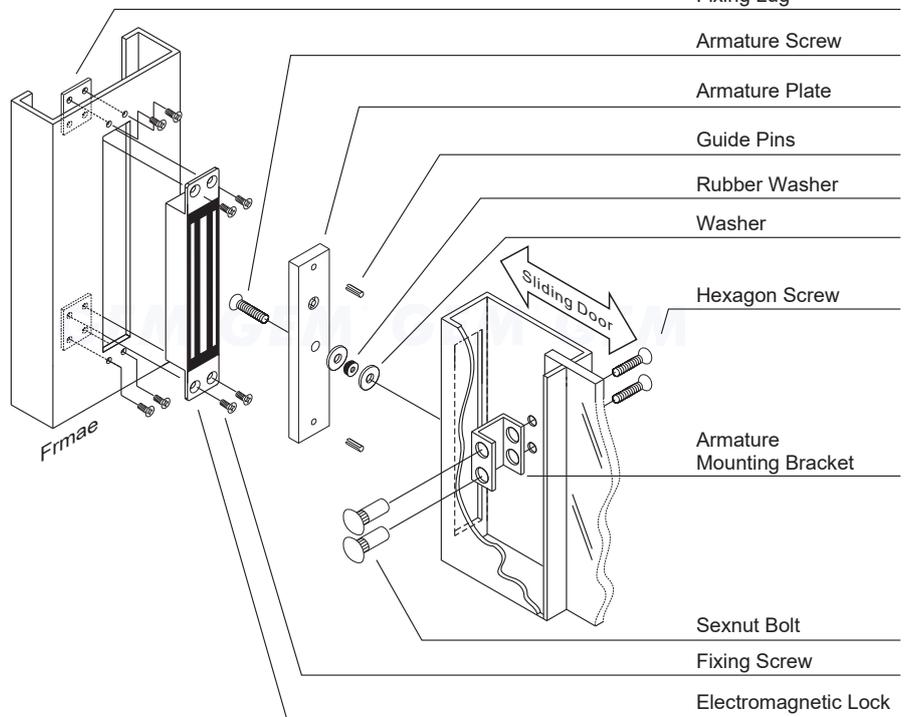


The rubber washer makes the armature plate adjustable in order to reach proper combination with the magnetic lock.

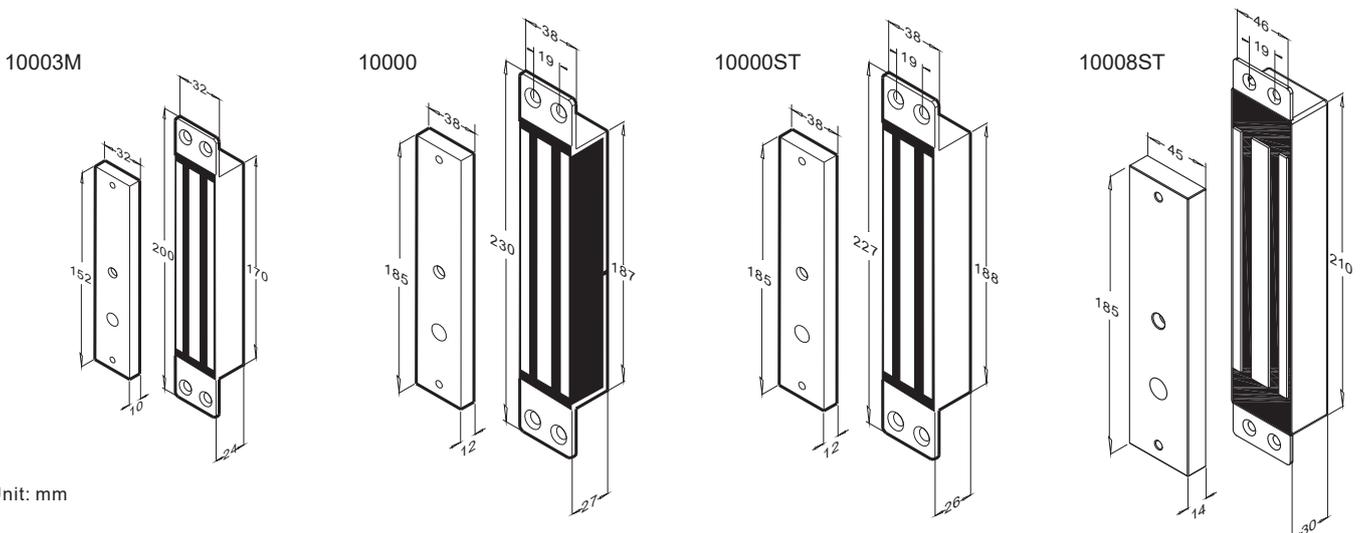


AMB-300 Armature Bracket
(Optional for model: 10000, 10000ST, 10008ST)

The actual accessory packs vary by different models.

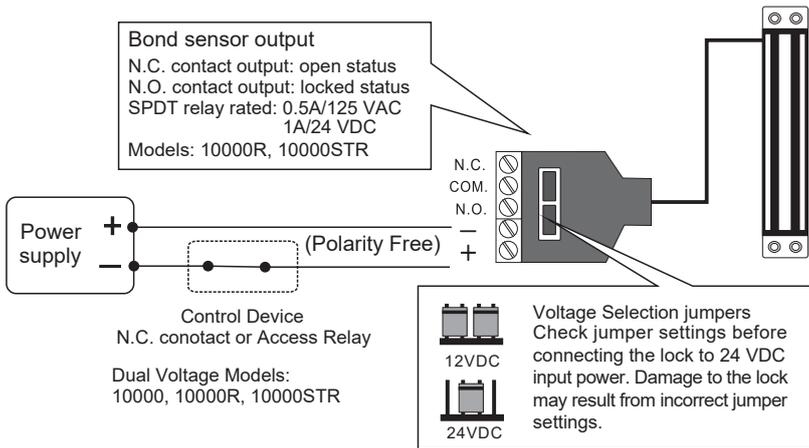


Dimensions

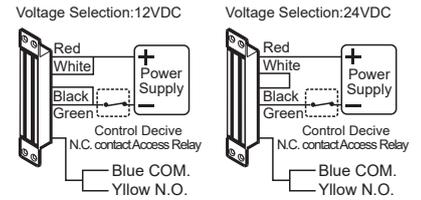


Unit: mm

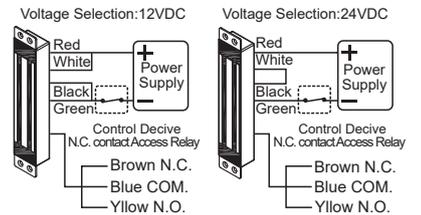
Connecting Diagram



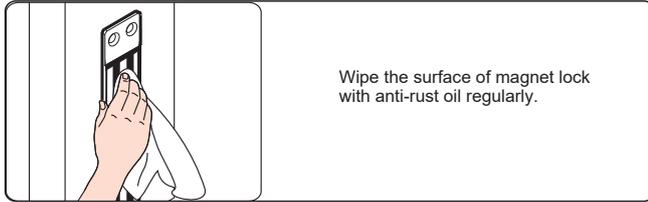
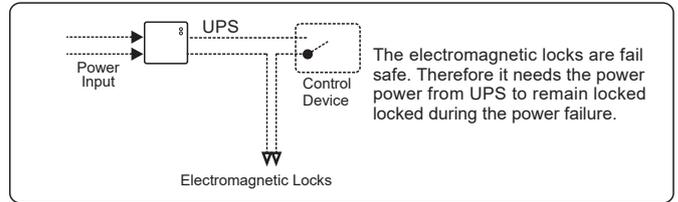
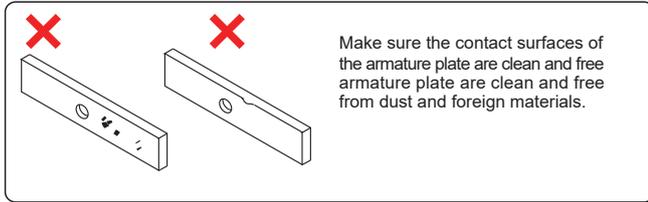
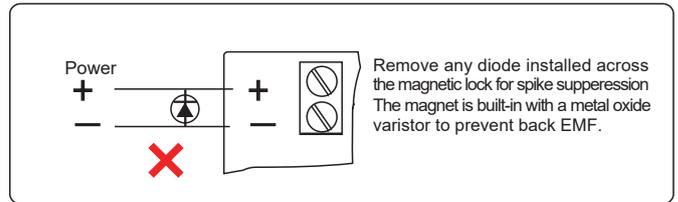
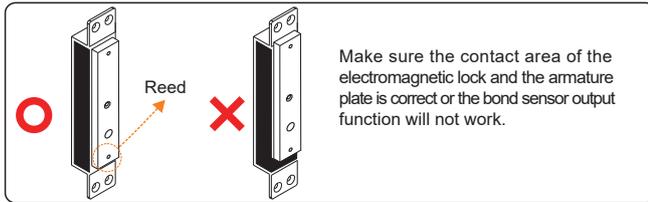
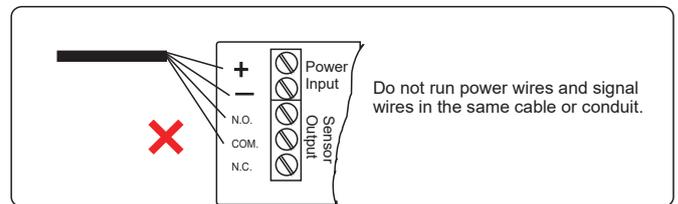
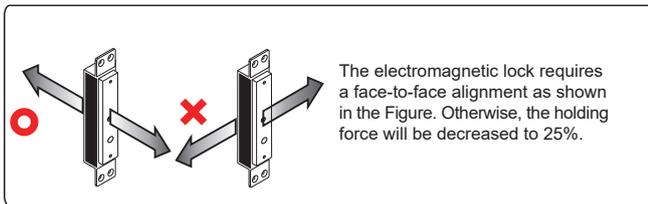
10003M-R 6 Wire Leads



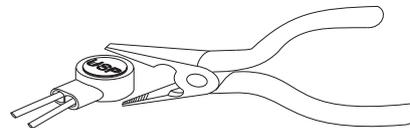
10008STM 7 Wire Leads



Important Note



Butt Splice (IDC) Connector



Use crimper or pliers and press the header of connector down to even position

Check the voltage at the electromagnetic lock input. If low, determine if the correct wire gauge is being used to prevent excessive voltage drop.

Trouble Shooting

Problem	Possible Cause	Slution
Door does not lock	No power	Make sure the wires are connected properly
		Check that the power supply is connected and works properly
		Make sure the lock switch is wired correctly
Low holding force	Poor contact between electromagnet and armature plate	Make sure the armature plate is not deformed
		Make sure the rubber washer was used between the bracket and armature plate
		Make sure the contact surfaces of the electromagnet and armature plate are clean and free from dust and foreign material.
	Low voltage or incorrect voltage setting	Check the electromagnetic lock is set for the correct voltage.
Check the voltage at the electromagnetic lock input. If low, determine if the correct wire gauge is being used to prevent excessive voltage drop.		
Sensor output is not functioning	A secondary diode was installed across the electromagnetic lock	Remove any diode installed across the magnet for "spike" suppression. (The magnet is fitted with a metal oxide varistor to prevent back EMF)
	Misalignment between the armature plate and electromagnetic lock	Make sure the armature plate and electromagnetic lock are aligned correctly